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File 340:CLAIMS(R)/US Patent  1950-99/Sep 07
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Applications now searchable. See HELP NEWS 340 for more information.

      Set  Items  Description
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      S1    7048  NUCLEIC
      S2  275900  ACID
      S3    6232  NUCLEIC()ACID
      S4    3312  GENE/BC
      S5    6077  DNA/BC
?s s3/bc
      S6    3390  S3/BC
?s s4 or s5 or s6
            3312  S4
            6077  S5
            3390  S6
      S7   10523  S4 OR S5 OR S6
?ss identity/bc or identical/bc
      S8    2725  IDENTITY/BC
      S9   28435  IDENTICAL/BC
     S10   31055  IDENTITY/BC OR IDENTICAL/BC
?s s7 and s10
           10523  S7
           31055  S10
     S11     300  S7 AND S10
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3190027 9926789
C/MOLECULES OF THE FOLLISTATIN-RELATED PROTEIN FAMILY AND USES THEREF R
Document Type: UTILITY
Inventors: Holtzman Douglas A (US)
Assignee: Millennium BioTherapeutics Inc

	Patent Number	Issue Date	Applic Number	Applic Date
Patent:	US 5942420	19990824	US 97972008	19971117
Priority Applic:			US 97972008	19971117

Abstract:
Novel FMCP polypeptides, proteins, and nucleic acid molecules are disclosed. In addition to isolated, full-length FMCP proteins, the invention further provides isolated FMCP fusion proteins, antigenic peptides and anti-FMCP antibodies. The invention also provides FMCP nucleic acid molecules, recombinant expression vectors containing a nucleic acid molecule of the invention, host cells into which the expression vectors have been introduced and non-human transgenic animals in which a FMCP gene has been introduced or disrupted. Diagnostic, screening and therapeutic methods utilizing compositions of the invention are also provided.

Exemplary Claim:
D R A W I N G

1. An isolated nucleic acid molecule comprising a nucleotide sequence which encodes an amino acid sequence which is at least 55% identical to the amino acid sequence of SEQ ID NO:2 with or without the signal peptide or an amino acid sequence encoded by the nucleotide sequence of the DNA insert of the plasmid deposited with ATCC as Accession Number 98546.

3190024 9926786
C/CD44-LIKE PROTEIN AND NUCLEIC ACIDS
Document Type: UTILITY
Inventors: Dillon Patrick J (US); Gentz Reiner L (US); Ni Jian (US)
Assignee: Human Genome Sciences Inc Assignee Code: 38350

	Patent Number	Issue Date	Applic Number	Applic Date
Patent:	US 5942417	19990824	US 97892880	19970715
Priority Applic:			US 97892880	19970715
Provisional Applic:			US 60-21762	19960715

Abstract:
The present invention concerns a novel CD44-like protein receptor. In particular, isolated nucleic acid molecules are provided encoding the CD44-like protein. CD44-like polypeptides are also provided, as are screening methods for identifying agonists and antagonists capable of enhancing or inhibiting CD44like protein-mediated signaling. The invention further concerns therapeutic methods for treating diseases associated with processes mediated by CD44-like protein signaling.
Exemplary Claim:
D R A W I N G

1. An isolated **nucleic acid** molecule comprising a polynucleotide selected from the group consisting of: (a) a polynucleotide encoding amino acids from about -21 to about 301 of SEQ ID NO:2; (b) a polynucleotide encoding amino acids from about -20 to about 301 of SEQ ID NO:2; (c) a polynucleotide encoding amino acids from about 1 to about 301 of SEQ ID NO:2; (d) a polynucleotide encoding the same polypeptide encoded by the cDNA contained in ATCC Deposit No. 97520; (e) a polynucleotide encoding the same mature CD44-like polypeptide encoded by the cDNA contained in ATCC Deposit No. 97520; (f) a polynucleotide encoding amino acids from about 1 to about 217 of SEQ ID NO:2; (g) a polynucleotide encoding amino acids from about 246 to about 301 of SEQ ID NO:2; (h) a polynucleotide encoding amino acids from about 1 to about 217 and about 246 to about 301 of SEO ID NO:2; (i) the polynucleotide complement of the polynucleotide of (a), (b), (c), (d), (e), (f), (g), or (h); and (j) a polynucleotide at least 95% **identical** to the polynucleotide of (a), (b), (c), (d), (e), (f), (g), (h), or (i).

2995523 9819908
C/GENES ENCODING ART, AN AGOUTI-RELATED TRANSCRIPT; GENE EXPRESSION
Document Type: UTILITY
Inventors: Luethy Roland (US); Stark Kevin Lee (US)
Assignee: Amgen Inc Assignee Code: 12117

	Patent Number	Issue Date	Applic Number	Applic Date
Patent:	US 5766877	19980616	US 96757541	19961127
Priority Applic:			US 96757541	19961127
Provisional Applic:			US 60-17505	199605

Calculated Expiration: 20161127

Abstract:
Disclosed is a novel gene termed ART which is expressed primarily in selected regions of the brain, as well as adrenal and lung tissues. Polypeptides encoded by ART are also disclosed, as are methods for preparing ART DNA and amino acid sequences.

Exemplary Claim:
D R A W I N G

1. An isolated nucleic acid molecule, wherein the nucleic acid molecule is selected from the group consisting of: (a) the nucleic acid molecule of SEQ ID NO:4; (b) the nucleic acid molecule of SEQ ID NO:5; (c) the nucleic acid molecule of SEQ ID NO:6; (d) the nucleic acid molecule of SEQ ID NO:9; (e) a nucleic acid molecule encoding the polypeptide of SEQ ID NO:8; (f) a nucleic acid molecule encoding the polypeptide of SEQ ID NO:10; (g) a nucleic acid molecule encoding the polypeptide of SEQ ID NO:11; and (h) a nucleic acid molecule that encodes a polypeptide that has at least 80 percent sequence identity with the polypeptides of SEQ ID NO:7, SEQ ID NO:8, SEQ ID NO:10, or SEQ ID NO:11.

3019725 9827249
C/VERTEBRATE EMBRYONIC PATTERN-INDUCING PROTEINS AND USES RELATED THERETO
Document Type: UTILITY
Inventors: Ingham Philip W (GB); McMahon Andrew P (US); Tabin Clifford J (US)
Assignee: Harvard College, President & Fellows of Assignee Code: 00542

	Patent Number	Issue Date	Applic Number	Applic Date
Patent:	US 5789543	19980804	US 93176427	19931230
Priority Applic:			US 93176427	19931230

Abstract:
The present invention concerns the discovery that proteins encoded by a family of vertebrate genes, termed here hedgehogrelated genes, comprise morphogenic signals produced by embryonic patterning centers, and are involved in the formation of ordered spatial arrangements of differentiated tissues in vertebrates. The present invention makes available compositions and methods that can be utilized, for example to generate and/or maintain an array of different vertebrate tissue both in vitro and in vivo.

Exemplary Claim:
D R A W I N G

1. A recombinantly produced polypeptide comprising a hedgehog amino acid sequence which is at least 80 percent identical to a sequence selected from the group consisting of SEQ ID. NO. 2, SEQ ID. NO. 4, SEQ ID. NO. 6, SEQ ID. NO. 8, and SEQ ID. NO. 10, which hedgehog amino acid sequence (i) induces expression of a ptc gene (ii) regulates differentiation of neuronal cells, (iii) regulates survival of differentiated neuronal cells, (iv) regulates proliferation of chondrocytes, (v) regulates spermatogenesis, (vi) induces expression of a Hoxd gene , or (vii) functionally replaces drosopholia hedgehog in transgenic drosophila.

3026444 9828535

C/EPH RECEPTOR LIGANDS, AND USES RELATED THERETO; TYROSINE KINASES, CELL DIFFERENTIATION

Document Type: UTILITY

Inventors: Cheng Hwai-Jong (US); Flanagan John G (US)
Assignee: Harvard College, President & Fellows of Assignee Code: 00542

	Patent Number	Issue Date	Applic Number	Applic Date
Patent:	US 5795734	19980818	US 95455001	19950531
Cont.-in-part of:			US 94308814	19940919
			US 95393462	19950227
Priority Applic:			US 95455001	19950531
			US 94308814	19940919
			US 95393462	19950227

Abstract:
The present invention relates to the discovery of a novel EPH receptor ligand, referred to hereinafter as ''Elf-1'', which protein has apparently broad involvement in the formation and maintenance of ordered spatial arrangements of differentiated tissues in vertebrates, and can be used to generate and/or maintain an array of different vertebrate tissue both in vitro and in vivo.

Exemplary Claim:
D R A W I N G

1. An isolated nucleic acid encoding a recombinant polypeptide, which polypeptide comprises an Elf-1 polypeptide sequence at least 70 percent identical to an amino acid sequence selected from the group consisting of SEQ ID Nos. 2 and 4, and portions thereof, and which Elf-1 polypeptide specifically binds to an EPH-type receptor.

3043832 9832511
C/CAULIFLOWER FLORAL MERISTEM IDENTITY GENES AND METHODS OF USING SAME; KIT FOR CONVERTING SHOOT MERISTEM TO FLORAL MERISTEM IN ANGIOSPERMS; PROMOTES EARLY FLOWERING
Document Type: UTILITY
Inventors: Yanofsky Martin F (US)
Assignee: California, University of Regents Assignee Code: 13234

	Patent Number	Issue Date	Applic Number	Applic Date
Patent:	US 5811536	19980922	US 96592214	19960126
Priority Applic:			US 96592214	19960126

Calculated Expiration: 20160126

Abstract:
The present invention provides a nucleic acid molecule encoding a CAULIFLOWER (CAL) gene product such as a nucleic acid molecule encoding Arabidopsis thaliana CAL and a nucleic acid molecule encoding Brassica oleracea CAL (BoCAL). The invention also provides a nucleic acid molecule encoding a truncated CAL gene product such as a nucleic acid molecule encoding Brassica oleracea var. botrytis CAL (BobCAL). The invention also provides a nucleic acid containing the Arabidopsis thaliana CAL gene, a nucleic acid molecule containing the Brassica oleracea CAL gene and a nucleic acid molecule containing the Brassica oleracea var. botrytis CAL gene. The invention further provides a kit for converting shoot meristem to floral meristem and a kit for promoting early flowering in an angiosperm. The invention provides a CAL polypeptide and an antibody that specifically binds CAL polypeptide. In addition, the invention provides the truncated BobCAL polypeptide and an antibody that specifically binds truncated BobCAL polypeptide. The invention further provides a method of identifying a Brassica having a modified CAL allele by detecting a polymorphism associated with a CAL locus, where the CAL locus comprises a modified CAL allele that does not encode an active CAL gene product.

Exemplary Claim:
D R A W I N G

1. An isolated nucleic acid molecule encoding a CAULIFLOWER (CAL) gene product having at least about 89 percent amino acid identity with amino acids 1 to 160 of the Arabidopsis CAL sequence shown in FIG. 5 (SEO ID NO:10).

3050718 9834027
C/NEUROGENE; POLYPEPTIDE TERMINED NEURITIN WHICH IS EXPRESSED PRIMARY IN BRAIN TISSUE
Document Type: UTILITY
Inventors: Citri Yoav deceased (IL); Naeve Gregory Scott (US); Theill Lars Eyde (US)
Assignee: Amgen Inc; Yeda Research & Development Co Ltd IL Assignee Code: 12117 93576

	Patent Number	Issue Date	Applic Number	Applic Date
Patent:	US 5817784	19981006	US 96694579	19960809
Priority Applic:			US 96694579	19960809

Calculated Expiration: 20160809

Abstract:
Disclosed are DNA and amino acid sequences for a novel polypeptide termed Neuritin which is expressed primarily in selected regions of the brain.

Exemplary Claim:
D R A W I N G

1. An isolated nucleic acid molecule encoding a polypeptide which promotes neuritogenesis in hippocampal or cortical neuronal cultures, wherein the nucleic acid molecule is selected from the group of nucleic acid molecules consisting of: (a) the nucleic acid molecule of SEQ ID NO:1; (b) the nucleic acid molecule of SEQ ID NO:2; (c) a nucleic acid molecule encoding the polypeptide of SEQ ID NO:3; (d) a nucleic acid molecule encoding the polypeptide of SEQ ID NO:4; and (e) a nucleic acid molecule that encodes a polypeptide that is at least 70 percent identical to the polypeptide of SEQ ID NO:3 or SEQ ID NO:4.

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To:	Examiner Peter Tung, Ph.D. SPE Achutamurthy, Ph.D.	**From:**	Shelley P.M. Fussey, Ph.D.
Fax:	(703) 308-0294	**Phone:**	713-934-4079
No. of Pages:*	8	**Date:**	September 15, 1999
Re:	Support for Identity Language	**File:**	Serial No. 08/951,188 4200.000200 (IOWA:012; N7-20)

☐ **Urgent** ☐ **For Review** ☐ **Please Comment** ☐ **Please Reply** ☐ **Please Handle**

* **w/o coversheet**

ORIGINAL: X **Will not follow**

• **Comments:**

Dear Examiner Tung and SPE Achutamurthy, thank you both for your patience and guidance with the referenced application. Before leaving the office, I had time to conduct a quick search and have asked my secretary to fax you the results.

You will see that the search addresses "percent identity" in recently issued nucleic acid claims (up to August 1999). This should help resolve the one outstanding issue in our case. Although the computer could not search the term "%" (as it is not a word), simply by sifting through some records with the terms "nucleic acid" and "identity", I was able to identify some claims similar in style to the ones at issue.

I am away from the office for this week, but hope to speak to you next week. Thanks again for your time.